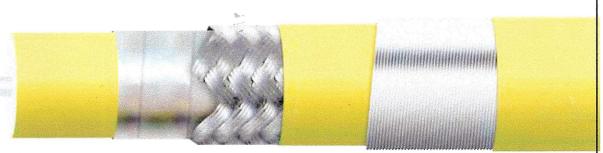


Low Loss -Phase Stable Flexible Cable

1500 Series

Operating Up to 40 GHz



Center Conductor Silver Plated Copper 1501/1503 Solid 1506/1508 Stranded Dielectric EPTFE Foil Silver Plated **Braid** Silver Plated Outer Jacket

FEP Copper

Copper (3.65mm 0.144")

	1501	1506	1503	1508
Electrical Characteristics				
Impedance	50+/–2∧	50+/–2∧	50+/–2∧	50+/–2∧
Cut Off Frequency (cable only, max)	40 GHz	40GHz	40 GHz	40 GHz
Capacitance	24 pF/ft.	26 pF/ft.	24 pF/ft.	26 pF/ft
VelocityofPropagation	83%	83%	83%	83%
Time Delay	1.22 ns/ft.	1.22 ns/ft.	1.22 ns/ft.	1.22 ns/ft.
Shielding Effectiveness up to 18GHz	>90 dB	>90 dB	>90 dB	>90 dB
Power Handling	See Chart	See Chart	See Chart	See Chart .
	Anno and the second		,	
Mechanical Characteristics:	27			
Weight	.36 oz/ft. (33g/m)	0.34 oz/ft. (31g/m)	0.75 oz/ft. (70g/m)) 0.73 oz/ft. (68g/m)
Minimum Bend Radius inches (mm)	0.5" (12.7mm)	0.5" (12.7mm)	0.5" (12.7mm)	0.5" (12.7mm)
Environmental Characteristics:				
Operating Temperature Range ¹	-65°C to +165°C	-65°C to +165°C	-65°C to +165°C	-65°C to +165°C
RoHS (2002/95/E	Compliant	Compliant	Compliant	Compliant



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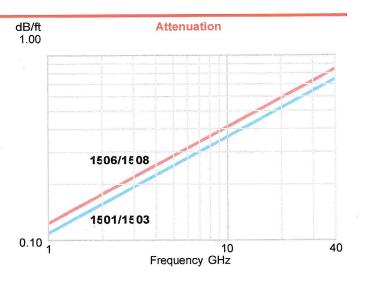
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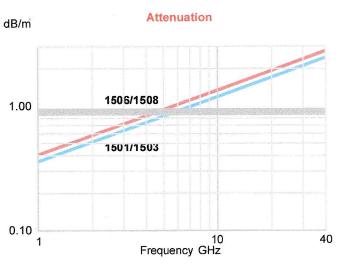
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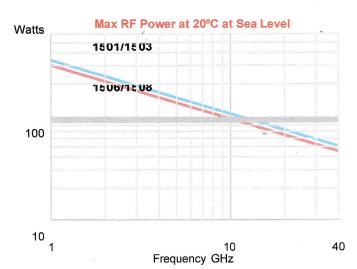
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1500 Series

Insert	ion Loss	5				
		1501/	1503		1506/	1508
GHz	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Level	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Leve
0.04	0.07	0.23	600	0.08	0.26	536
1	0.11	0.36	500	0.12	0.41	446
2	0.16	0.51	370	0.18	0.58	330
4	0.22	0.73	260	0.25	0.82	232
6	0.27	0.90	210	0.31	1.01	188
8	0.32	1.04	180	0.36	1.18	161
10	0.36	1.17	160	0.40	1.32	143
12	0.39	1.29	150	0.44	1.45	134
14	0.43	1.40	140	0.48	1.58	125
16	0.46	1.50	125	0.52	1.69	112
18	0.49	1.60	120	0.55	1.80	107
20	0.51	1.69	115	0.58	1.91	103
22	0.54	1.78	110	0.61	2.01	98
24	0.57	1.86	105	0.64	2.10	94
26	0.59	1.94	100	0.67	2.20	89
28	0.62	2.02	99	0.70	2.29	88
30	0.64	2.10	97	0.72	2.37	87
32	0.66	2.17	95	0.75	2.46	85
34	0.69	2.25	90	0.77	2.54	80
36	0.71	2.32	85	0.80	2.62	76
38	0.73	2.39	80	0.82	2.70	71
40	0.75	2.46	75	0.85	2.78	67









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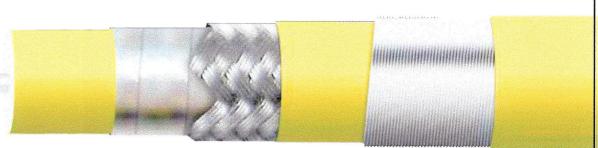
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1800 Series

Operating Up to 32 GHz



Center Conductor Silver Plated Copper

Dielectric

EPTFE

Foil Silver Plated (4.8mm 0.190") Copper

Braid Silver Plated **Outer Jacket FEP**

Serving

Outer Jacket

1801/1803 Solid 1806/1808 Stranded

(4.8mm 0.190") **SCCS Armor** FEP (6.6mm) Copper

				ST.
>	1801	1806	1803	1808
Electrical Characteristics				
Impedance	50+/–2∧	50+/–2∧	50+/–2∧	50+/–2∧
Cut Off Frequency (cable only, max)	32GHz	31 GHz	32 GHz	31 GHz
Capacitance	24 pF/ft.	25 pF/ft.	24 pF/ft.	25 pF/ft
Velocity of Propagation	83%	83%	83%	83%
Time Delay	1.22 ns/ft.	1.22 ns/ft.	1.22 ns/ft	1.22ns/ft
Shielding Effectiveness up to 18GHz	>90 dB	>90 dB	>90 dB	>90 dB
Power Handling	See Chart	SeeChart	See Chart	See Chart
Mechanical Characteristics:		8		
Weight	0 .62 oz./ft. (58g/m)	0 .6 oz./ft. (54g/m)	1.4 oz./ft. (130g/m)	1.4 oz./ft. (130g/m)
Minimum Bend Radius inches (mm)	0.5" (13mm)	0.5" (13mm)	0.5" (13mm)	0.5" (13mm)
			/	
Environmental Characteristics:	8			
Operating Temperature Range ¹	-65°C to +165°C	-65°C to +165°C	-65°C to +165°C	-65°C to +165°C
RoHS (2002/95/EC)	Available on request	Available on request	Available on request	Available on request
¹+200°C available on request				•
VSWR for assemblies with two straight connectors	1.35:1 to 18 GHz	1.35:1 to 18 GHz	1.35:1 to 18 GHz	1.35:1 to 18 GHz
VSWR for assemblies with one straight and one right angle connector VSWR for assemblies with	1.40:1 to 18 GHz	1.40:1 to 18 GHz	1.40:1 to 18 GHz	1.40:1 to 18 GHz
two right angle connectors	1.45:1 to 18 GHz	1.45:1 to 18 GHz	1.45:1 to 18 GHz	1.45:1 to 18 GHz
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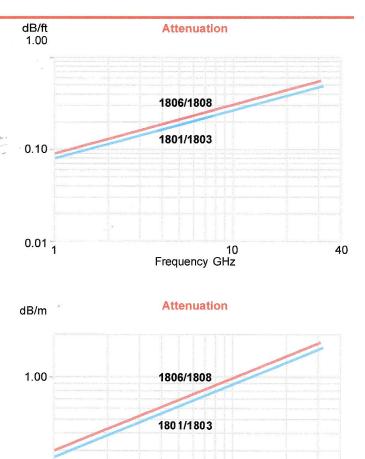
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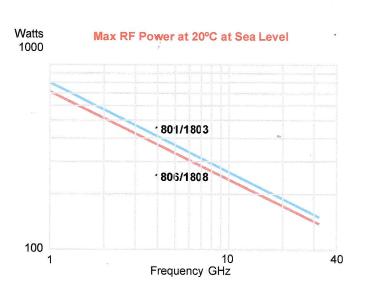
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1800 Series

Insert	ion Loss	S					
	1801/1803				1806/1808		
GHz	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Level	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Level	
0.04	0.05	0.17	1000	0.06	0.19	893	
1	0.08	0.27	800	0.09	0.30	714	
2	0.12	0.38	550	0.13	0.42	491	
4	0.16	0.53	400	0.18	0.60	357	
6	0.20	0.66	320	0.23	0.74	286	
8	0.23	0.77	290	0.26	0.86	259	
10	0.26	0.87	250	0.30	0.97	223	
12	0.29	0.95	220	0.33	1.07	196	
14	0.32	1.03	210	0.35	1.16	188	
16	0.34	1.11	200	0.35	1.25	179	
18	0.36	1.18	195	0.41	1.33	174	
20	0.38	1.25	190	0.43	1.40	170	
22	0.40	1.32	185	0.45	1.48	165	
24	0.42	1.38	180	0.47	1.55	161	
26	0.44	1.45	175	0.49	1.62	156	
28	0.46	1.51	170	0.52	1.69	152	
30	0.47	1.54	160	0.53	1.73	143	
31	0.48	1.57	155	0.56	1.76	138	
32	0.49	1.62	150	n/a	n/a	n/a	





Frequency GHz

40



2300 Series

Operating Up to 26.5 GHz



Center Conductor Silver Plated Copper 2301/2303 Solid 2306/2308 Stranded Dielectric **EPTFE**

Foil Silver Plated Copper

1.35:1to26.5GHz

Braid Silver Plated

Outer Jacket FEP Copper (5.8mm 0.230")

Serving SCCS Armor **Outer Jacket** FEP (7.4mm 0.290")

	2301
Electrical Characteristics	
Impedance	50+/–2∧
Cut Off Frequency (cable only, max)	26.5 GHz
Capacitance	24 pF/ft.
Velocity of Propagation	83%
Time Delay	1.22ns/ft.
Shielding Effectiveness up to 18GHz	>90 dB
Power Handling	See Chart
Mechanical Characteristics:	
Weight	0 .77 oz/ft (72g/m)
Minimum Bend Radius inches (mm)	0.750" (19mm)
Environmental Characteristics:	
Operating Temperature Range ¹	-65°C to +165°C
RoHS (2002/95/EC)	Available on request
1+200°C available on request	
VSWR for assemblies with two straight connectors VSWR for assemblies with one straight and one right angle connector	1.35:1 to 18 GHz 1.40:1 to 18 GHz
VSWR for assemblies with two right angle connectors	1.45:1 to 18 GHz

VSWR for assemblies with two straight 3.5mm connectors



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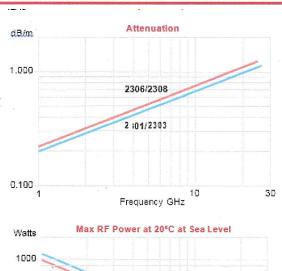
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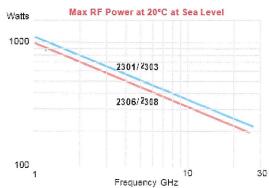
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2300 Series

Insert	ion Loss	5				
2301/2303				2306/2308		
GHz	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Level	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Leve
0.04	0.038	0.125	1300	0.043	0.140	1161
1	0.061	0.200	1100	0.068	0.220	982
2	0.087	0.285	800	0.097	0.320	714
4	0.125	0.410	520	0.14	0.460	464
6	0.155	0.508	450	0.173	0.570	402
8	0.18	0.590	380	0.202	0.660	339
10	0.203	0.666	350	0.228	0.750	313
12	0.224	0.735	310	0.251	0.820	277
14	0.244	0.800	300	0.273	0.900	268
16	0.263	0.863	280	0.294	0.960	250
18	0.28	0.918	270	0.314	1.030	241
20	0.297	0.974	250	0.332	1.09	223
22	0.313	1.027	230	0.351	1.15	205
24	0.329	1.079	220	0.368	1.21	196
25	0.336	1.102	215	0.377	1.24	188
26.5	0.347	1.138	210	N/A	N/A	N/A







Address

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